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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/616,631	07/26/2000	Thomas Francis McGee III	US 000163	9403

24737 7590 07/27/2004

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
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EXAMINER

WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 07/27/2004

15

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/616,631

Applicant(s)

MC GEE ET AL.

Examiner

Isaac M Woo

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,6,7,12,13 and 19 is/are rejected.
- 7) ☒ Claim(s) 2-5,8-11,14-18 and 20-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to Applicant's Amendments filed on March 03, 2004 have been considered but they are not persuasive.

2. The pending claims are 1-24.

Response to Arguments

3. In response to Applicant's remark filed on March 03, 2004, the following factual arguments are noted:

a. Mauldin does not disclose or suggest for identifying keywords within each line of the text, and in response to identifying at least one of the keywords within a line of a text, classifying the line of the text as part of one or more classifications of the video signal that have been segmented into the at least one story segment.

In response to a, examiner does not agree. Disclosed system of Mauldin is to provide video and audio system classifying with converting from video and audio signal to text, and keywords are identified from text, see (col. 3, lines 21-42). Mauldin discloses, "rules generated by the natural language interpretation function may be useful to content-based paragraphing. For example, **keywords** of "football" and "scoreboard" may be used to **identify** scenes in a football game segmented by the showing of the scoreboard, see (col. 6, lines 57-63). Mauldin discloses the video

contents (text, video, and audio data) paragraphing, and identifying keywords from text paragraphs, see (col. 5, lines 16-44, col. 3, lines 20-31). The text paragraphs include a multiple lines of text. Thus, keywords must be identified from line of the text. Mauldin discloses video signal that have been segmented into at least one story segment, see (12, fig.1, col. 4, lines 35-67). Therefore, Mauldin teaches, identifying keywords within each line of the text, and in response to identifying at least one of the keywords within a line of a text, classifying the line of the text as part of one or more classifications of the video signal that have been segmented into the at least one story segment.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 6-7, 12-13 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mauldin et al (U.S. Patent No. 5,664,227, hereinafter, "Mauldin").

With respect to claims 1, 7, 13, and 19, Mauldin discloses the apparatus, system, method and computer-executable instructions stored on a computer-readable storage medium for automatically classifying video signals (video segments, col. 3, lines 21-55),

keyframe classifier for segmenting the audio and video signals into an initial set of one or more story segment, see (12, fig.1, col. 4, lines 35-67, fig.2, fig.3, fig.4, key frames identified from video signal, col. 5, lines 16-59, col. 6, lines 15-24, col. 7, lines 1-10), text classifier controller adapted for providing multiple classifications of text (text transcripts data is segmented, col. 4, lines 53-67), the text classifier reading text having at least one keyword contained within at least one of the story segments (col. 3, lines 20-31), and being adapted for identifying keywords within text (col. 3, lines 20-31), and, in response to identifying at least one of the keywords within text (col. 3, lines 20-31), classifying the text as a part of one or more classifications of video signals that have been segmented into the at least one story segment, see (col. 4, lines 53-67). Mauldin discloses the identifying and classifying keywords from text (col. 3, lines 20-31, 12, fig.1, col. 4, lines 35-67, fig.2, fig.3, fig.4, key frames identified from video signal, col. 5, lines 16-59, col. 6, lines 15-24, col. 7, lines 1-10). Mauldin does not explicitly disclose the identifying and classifying keywords "from within each line of the text". However, Mauldin discloses the video contents (text, video, and audio data) paragraphing, and identifying keywords from text paragraphs, see (col. 5, lines 16-44, col. 3, lines 20-31). The text paragraphs include a multiple lines of text. Therefore, it would have been obvious to a person having ordinary skill in the art the time of the invention was made to include the identifying and classifying keywords "from within each line of the text" in the system of Mauldin to identify keywords from each line of text. Because text classifier parses each line of text to identify keyword for every single text line.

With respect to claims 6 and 12, Maudlin discloses the text classifier controller comprises an algorithm for reading lines of text to identify keywords contained within the lines of text, wherein the algorithm classifies each line of text in a keyword category, that has the largest number of keywords in the line of text, see (col. 4, lines 17-67 to col. 5, lines 1-57, col. 6, lines 15-62).

Allowable Subject Matter

6. Claims 2-5, 8-11, 14-18 and 20-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

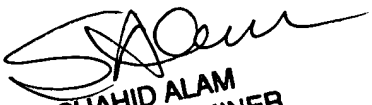
Contact Information

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (703) 305-0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW
July 22, 2004


SHAHID ALAM
PRIMARY EXAMINER